

Figure 1

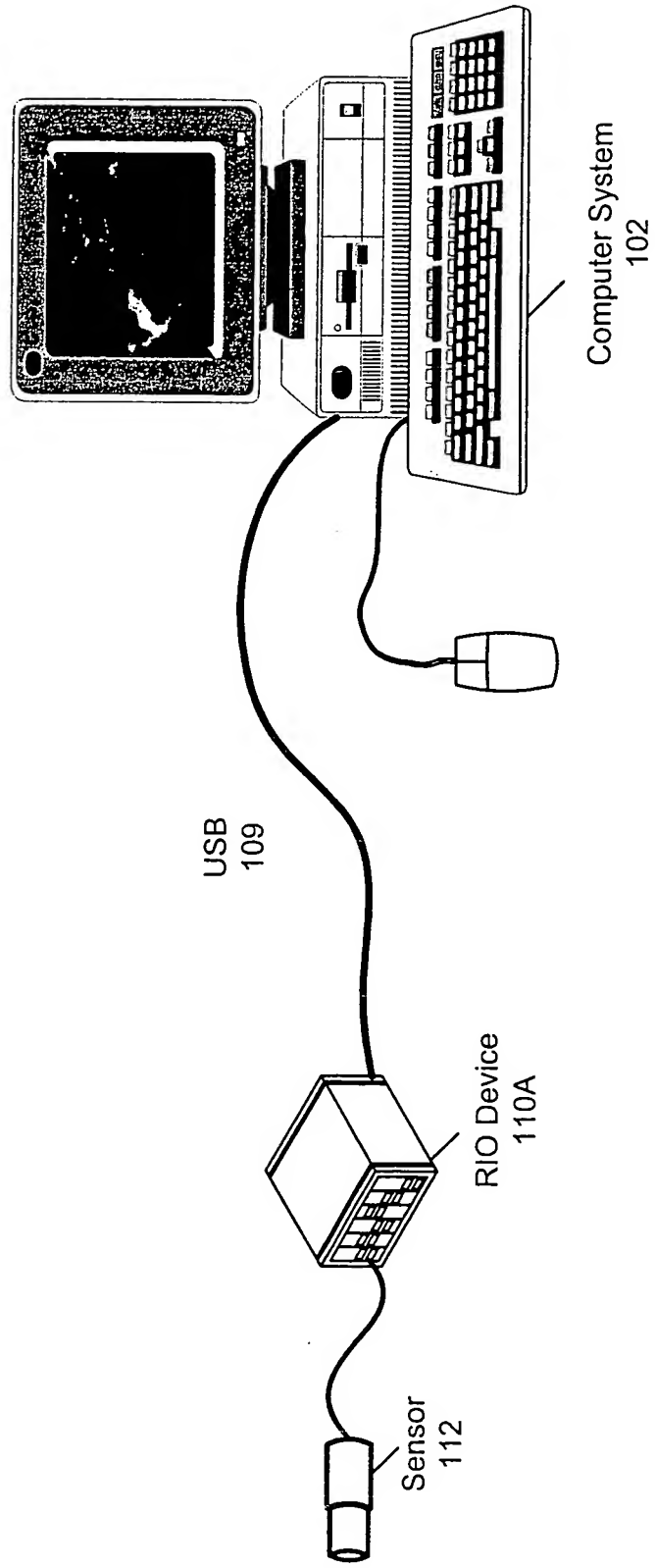


Figure 1A

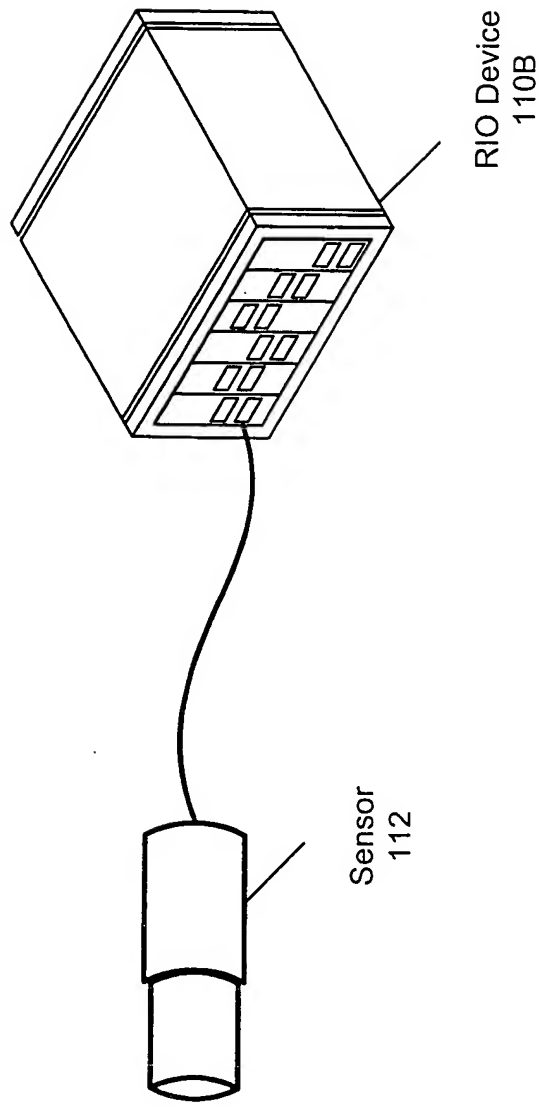


Figure 1B

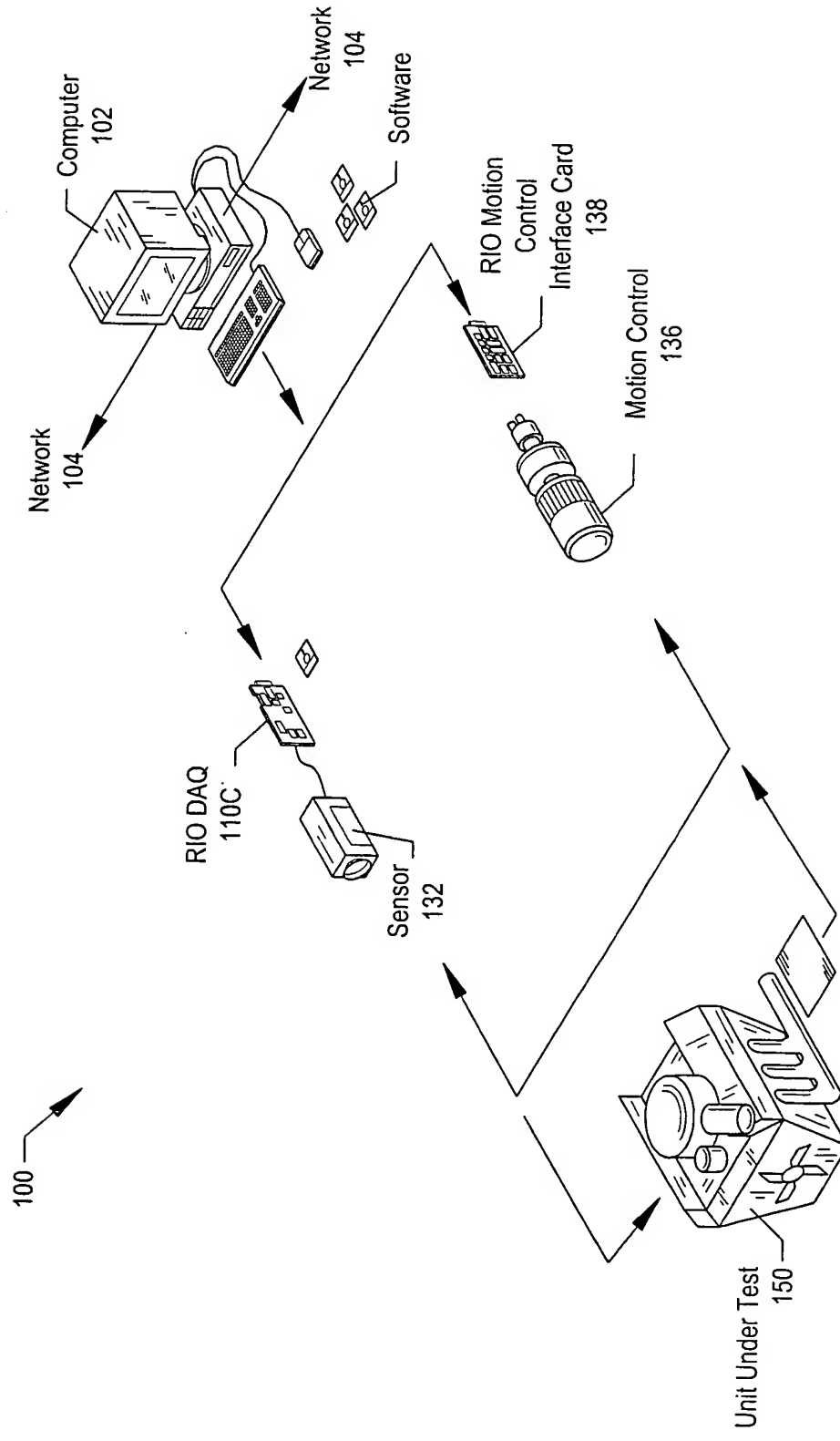


Figure 1C

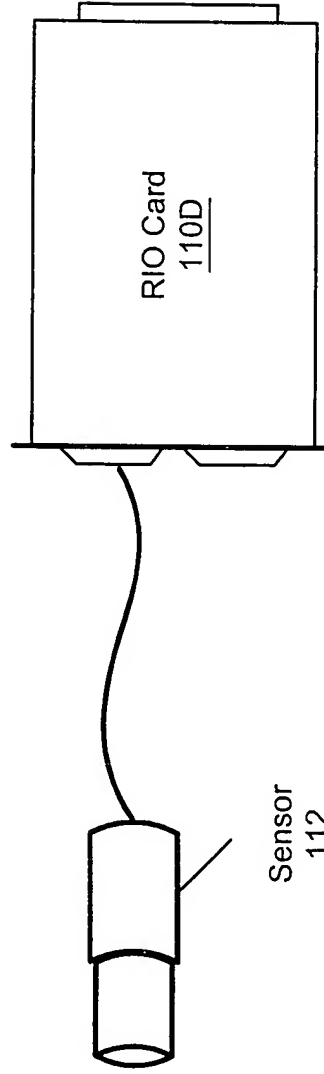


Figure 1D

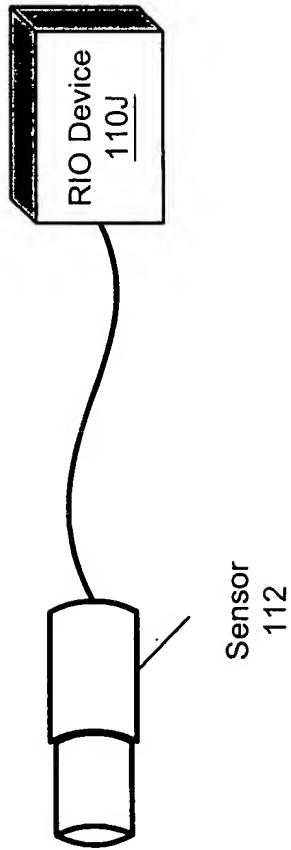


Figure 1E

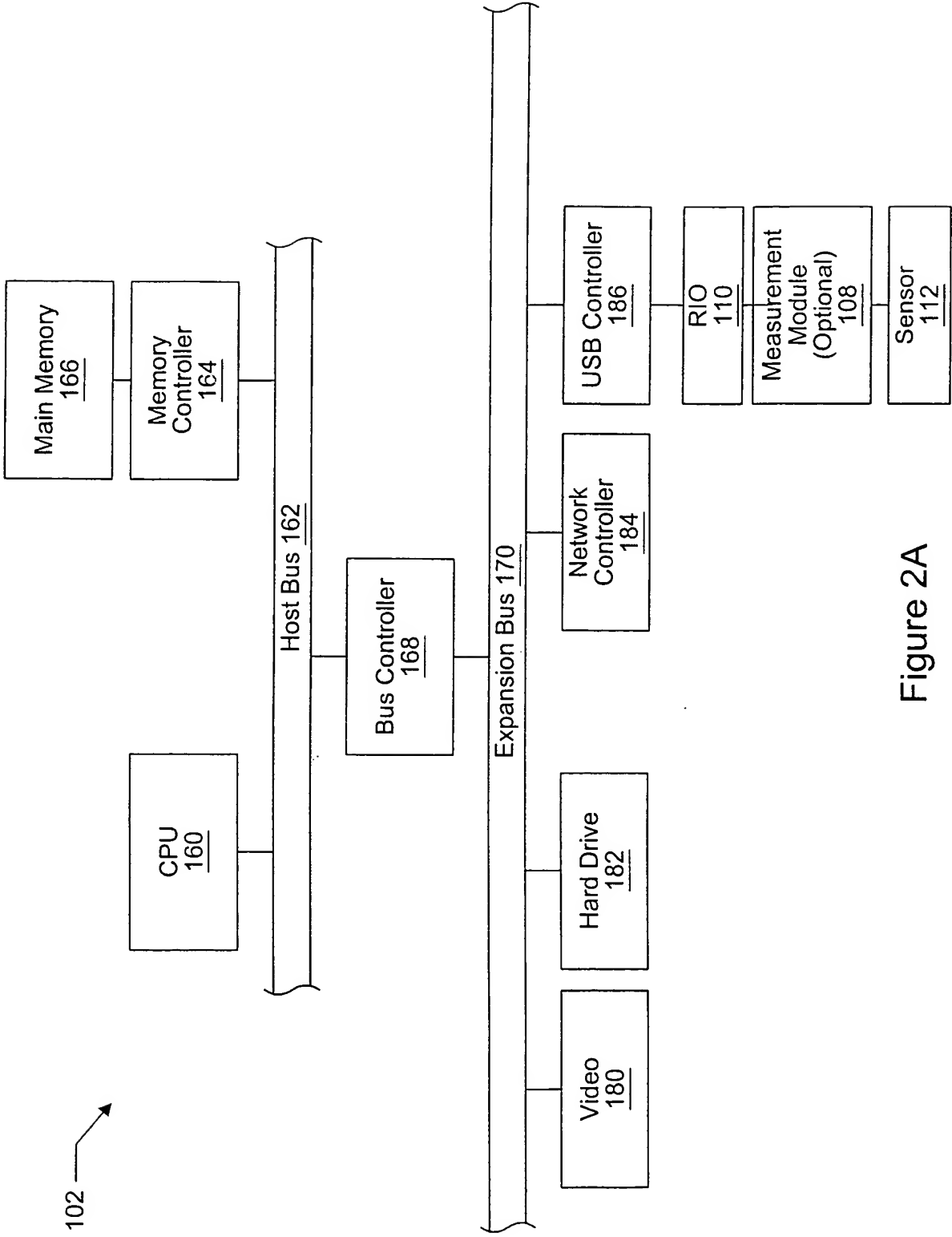


Figure 2A

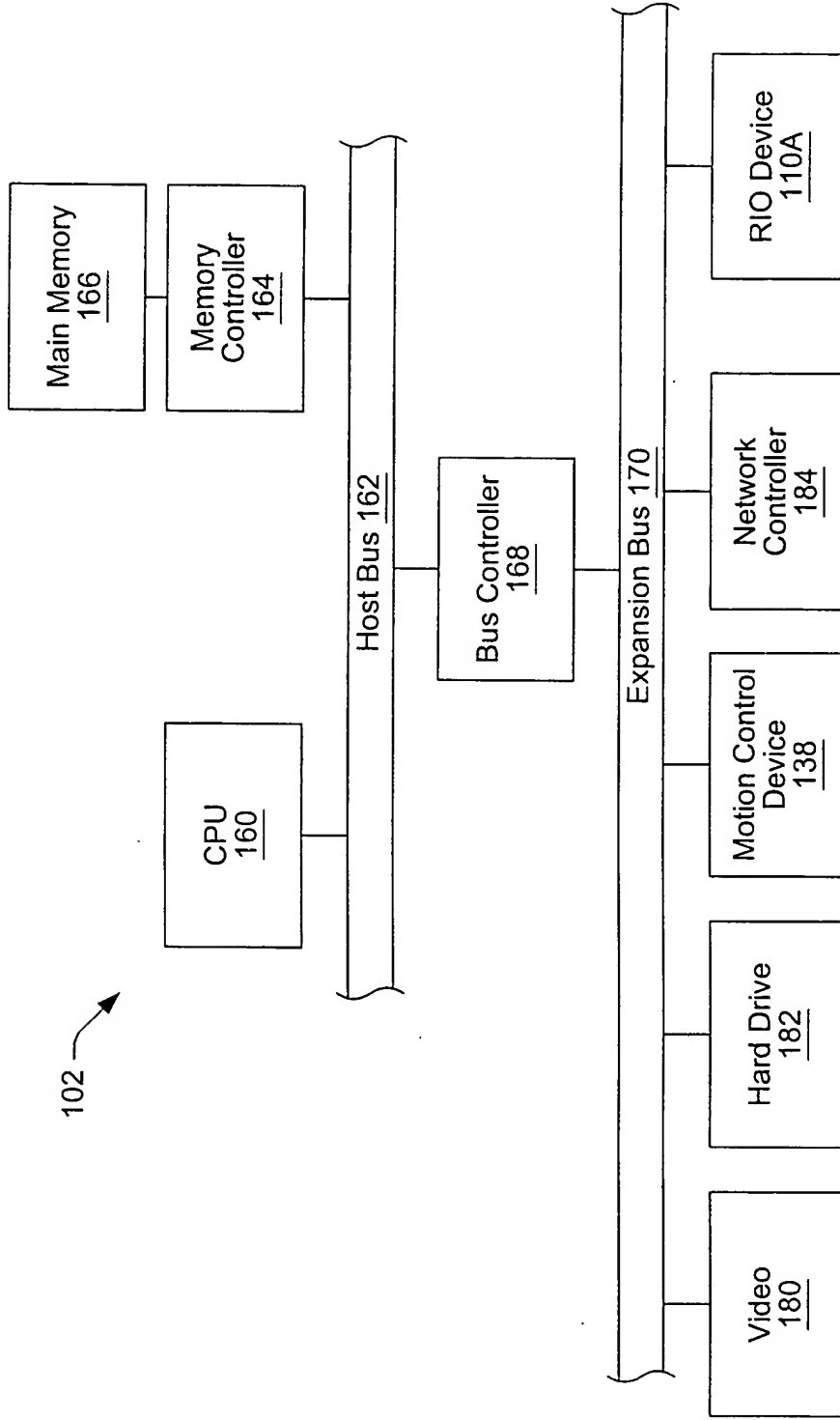


Figure 2B



110F

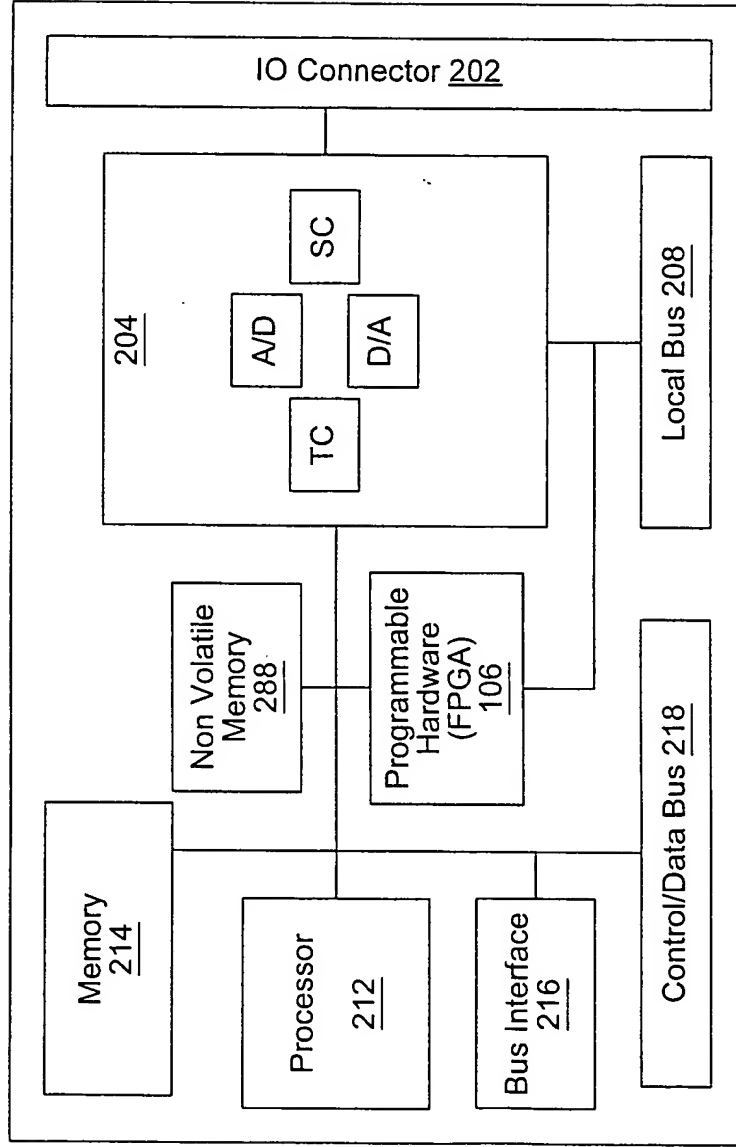


Fig. 3B

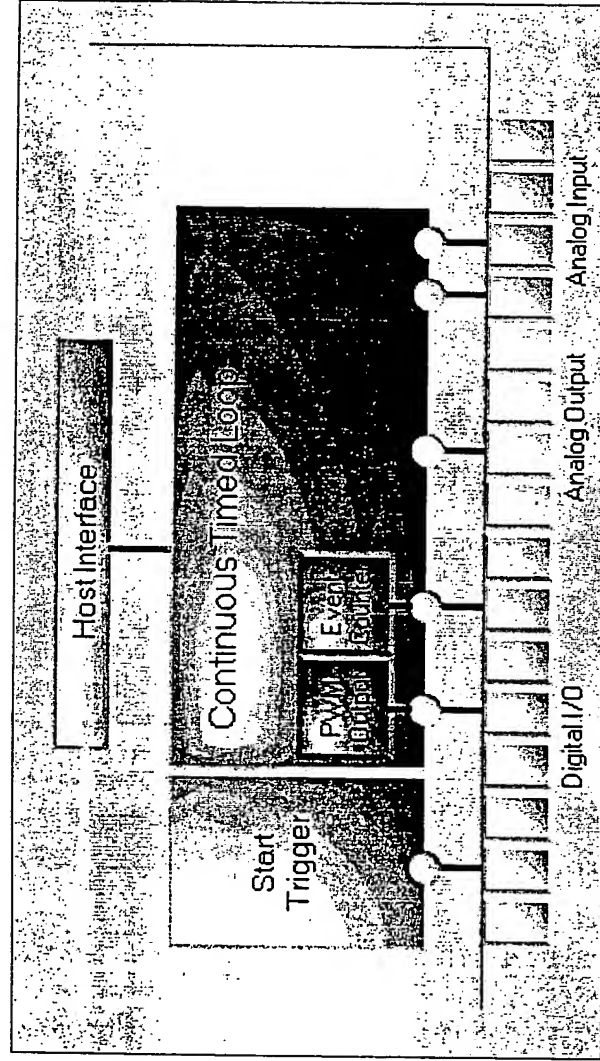


Figure 3C

FIG. 4

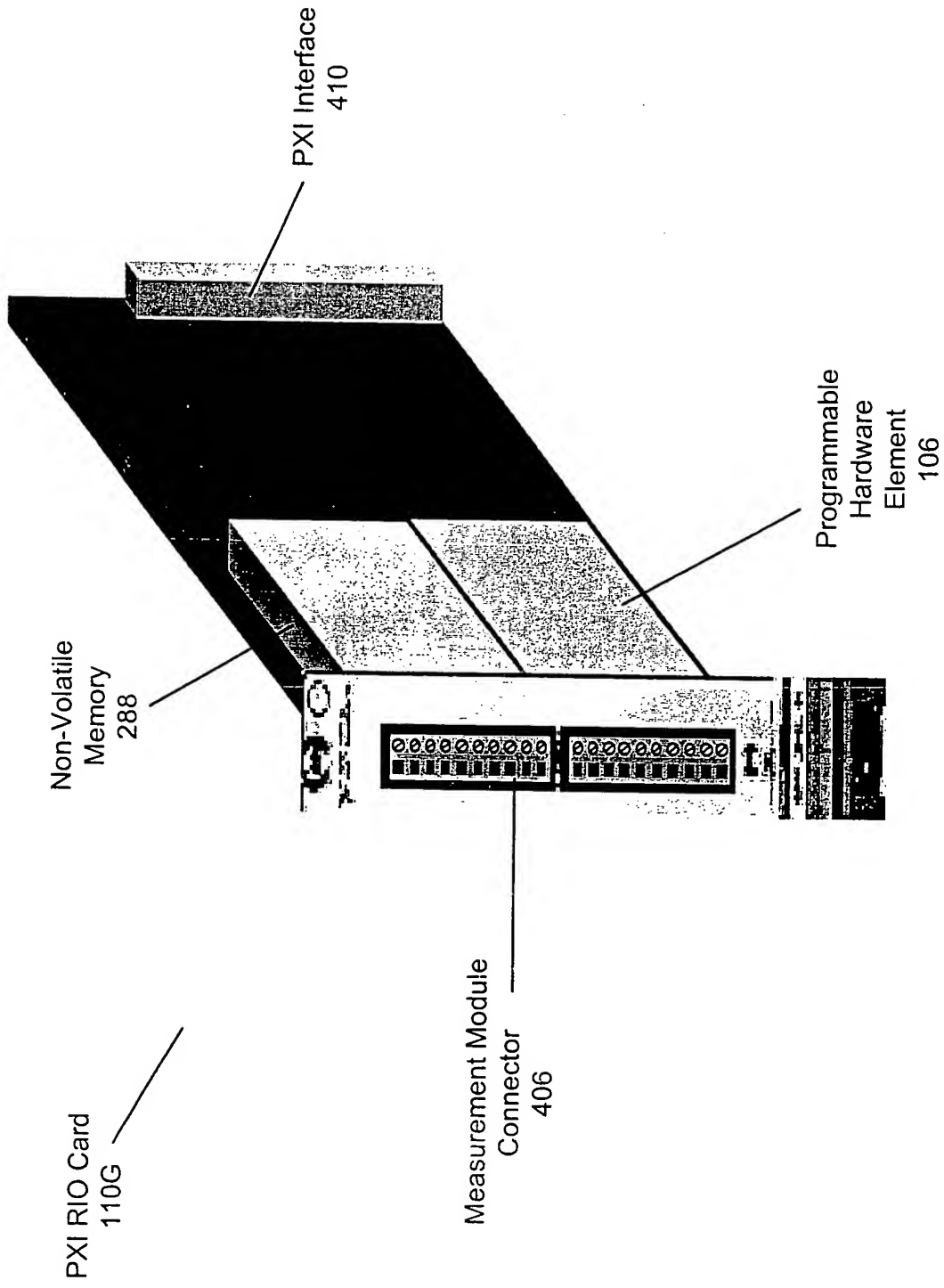


Figure 4

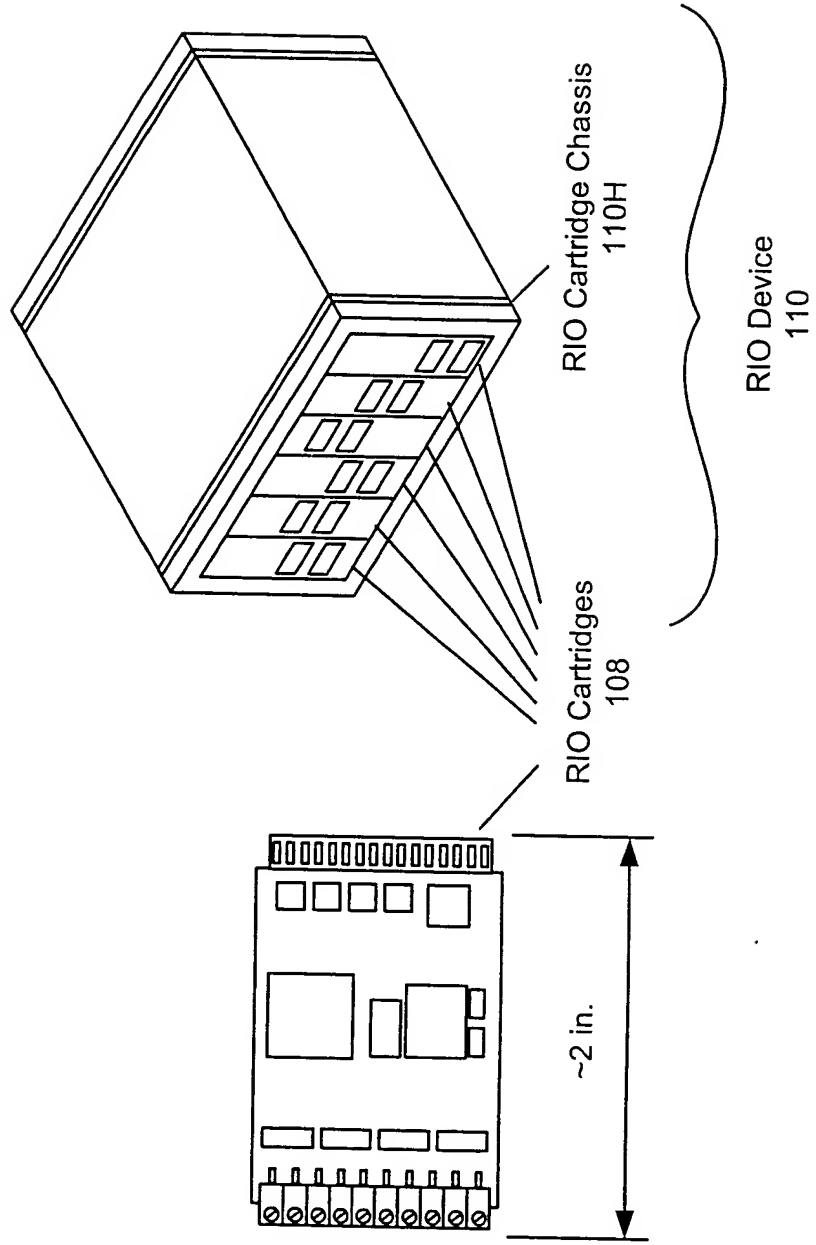


Figure 5A

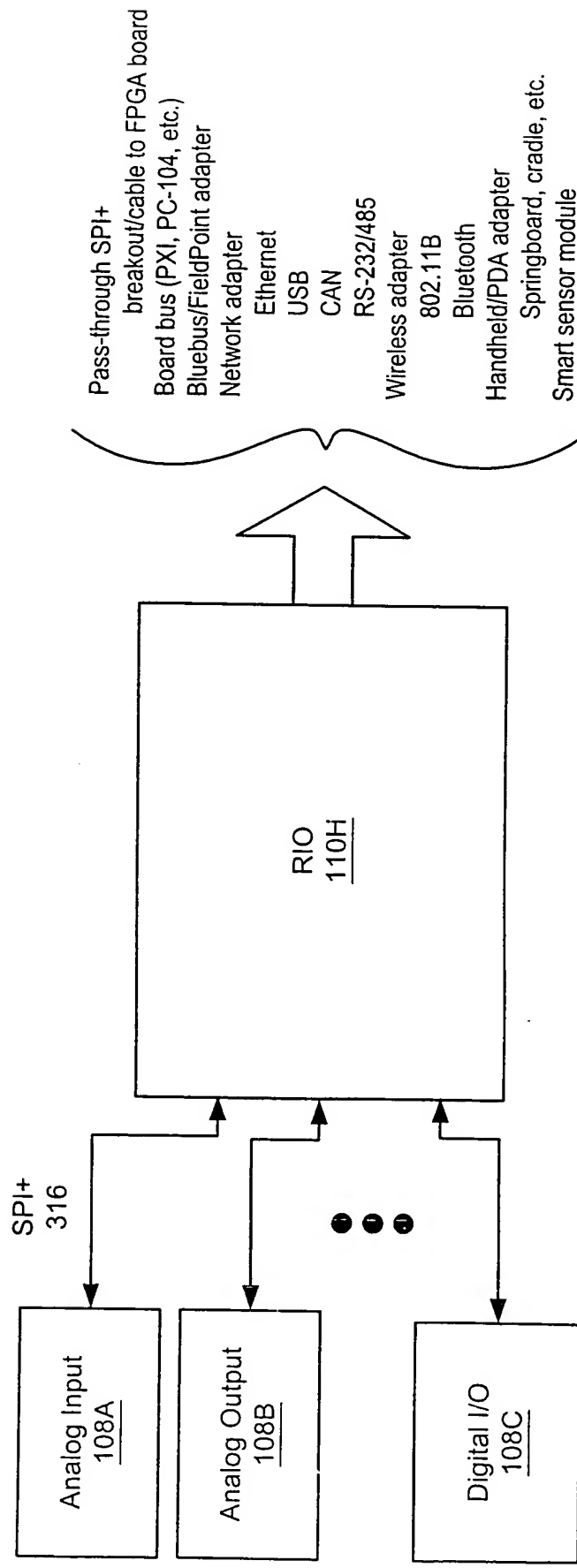


Figure 5B

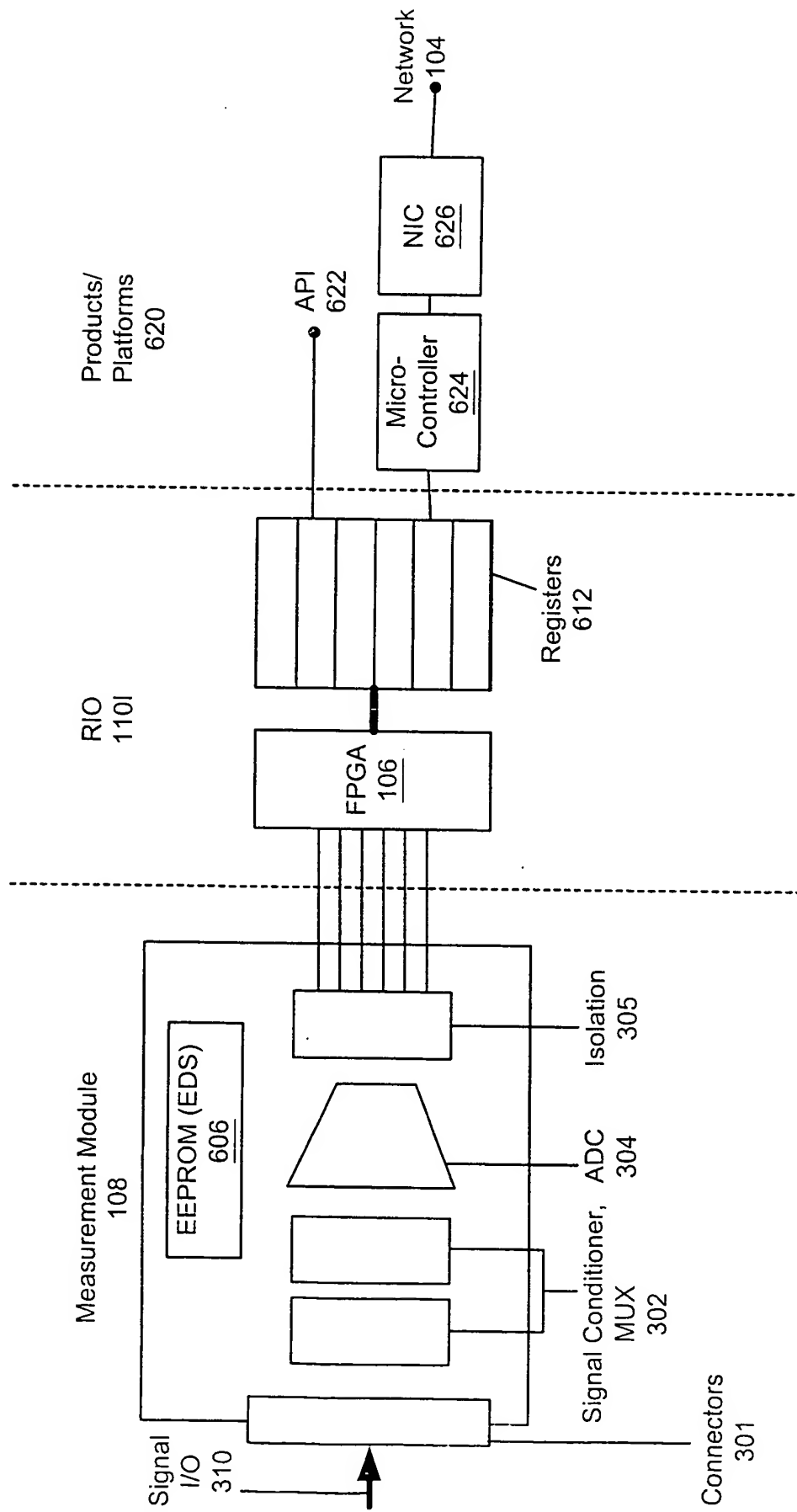


Figure 6

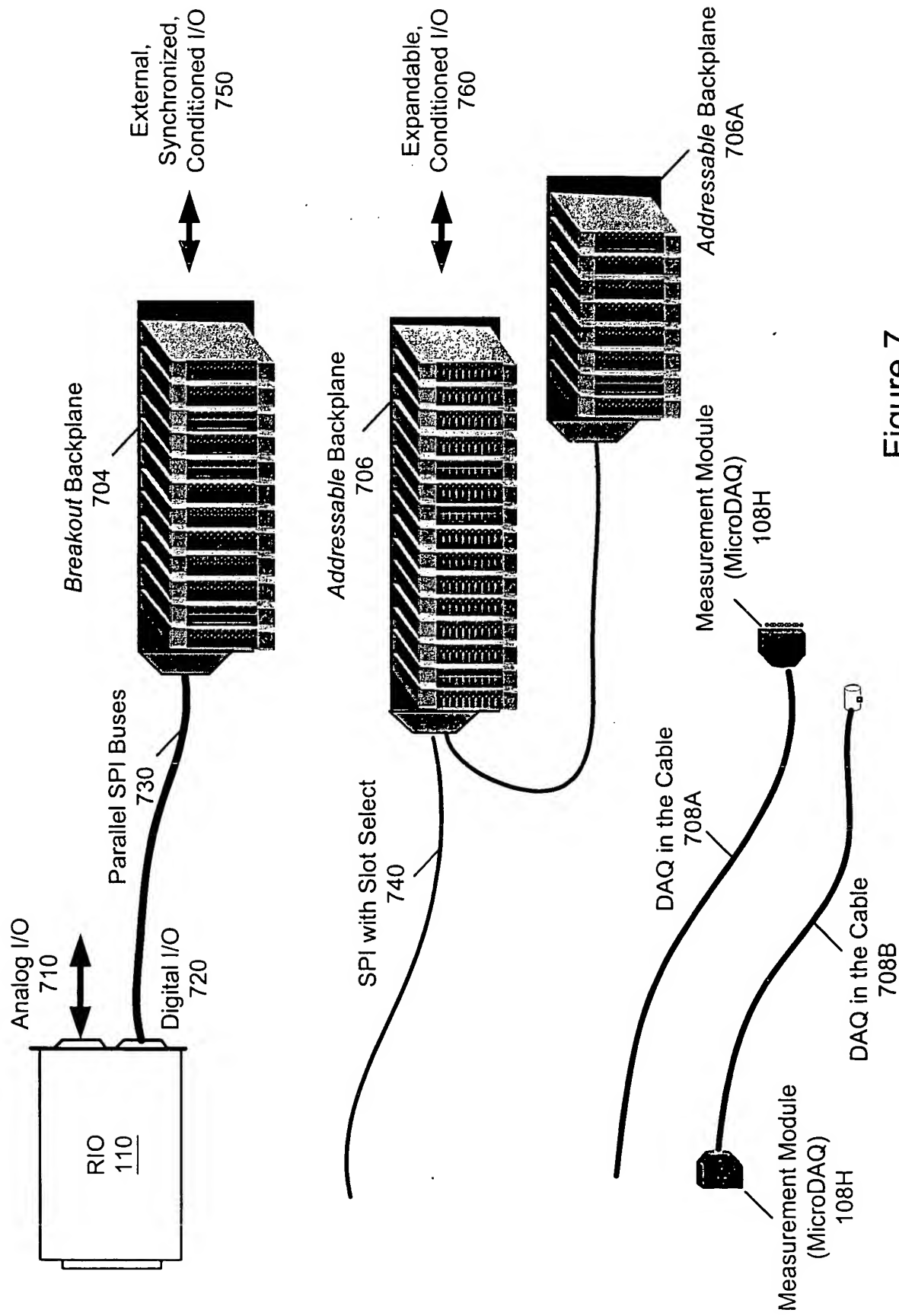


Figure 7

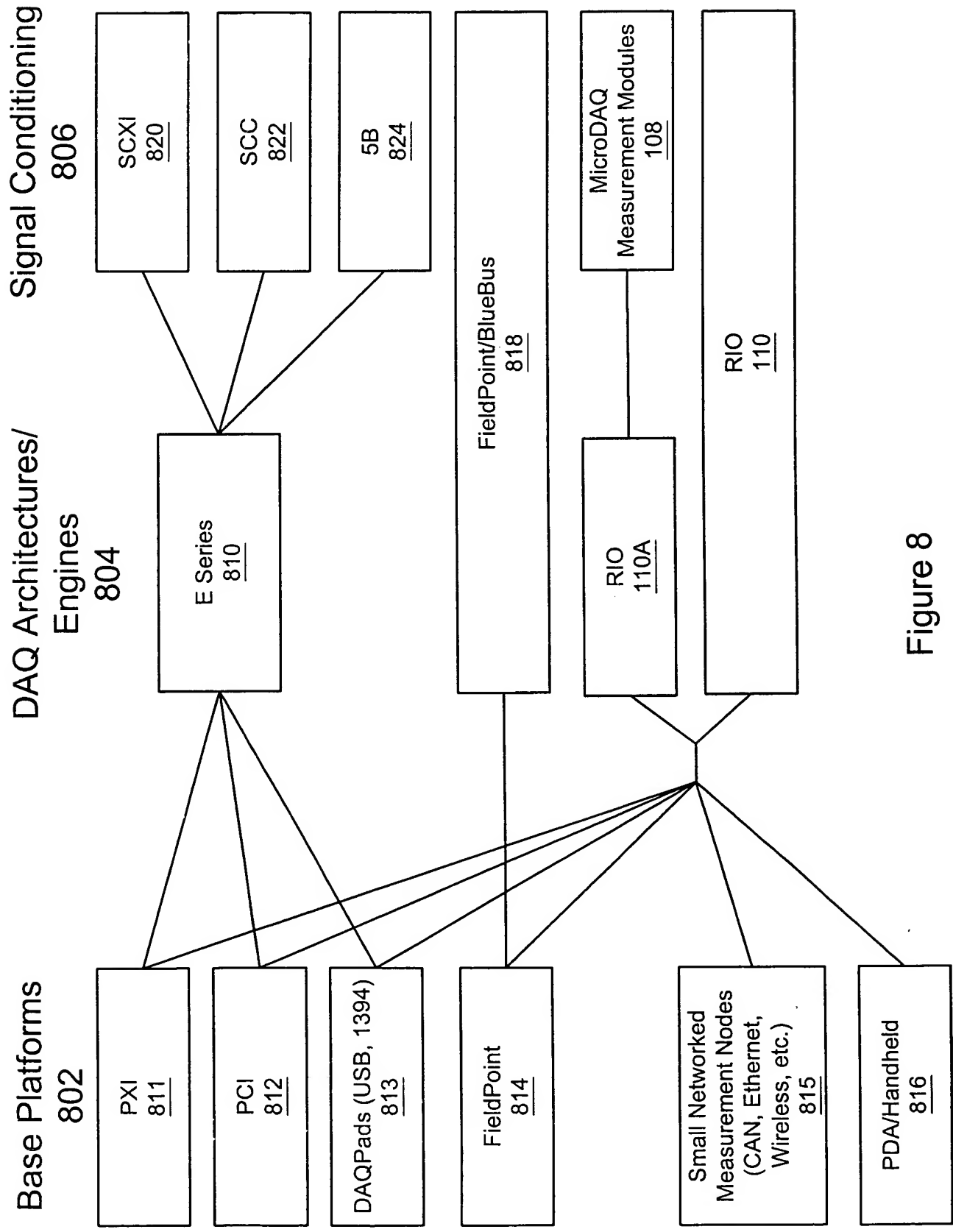


Figure 8

1055594-102004

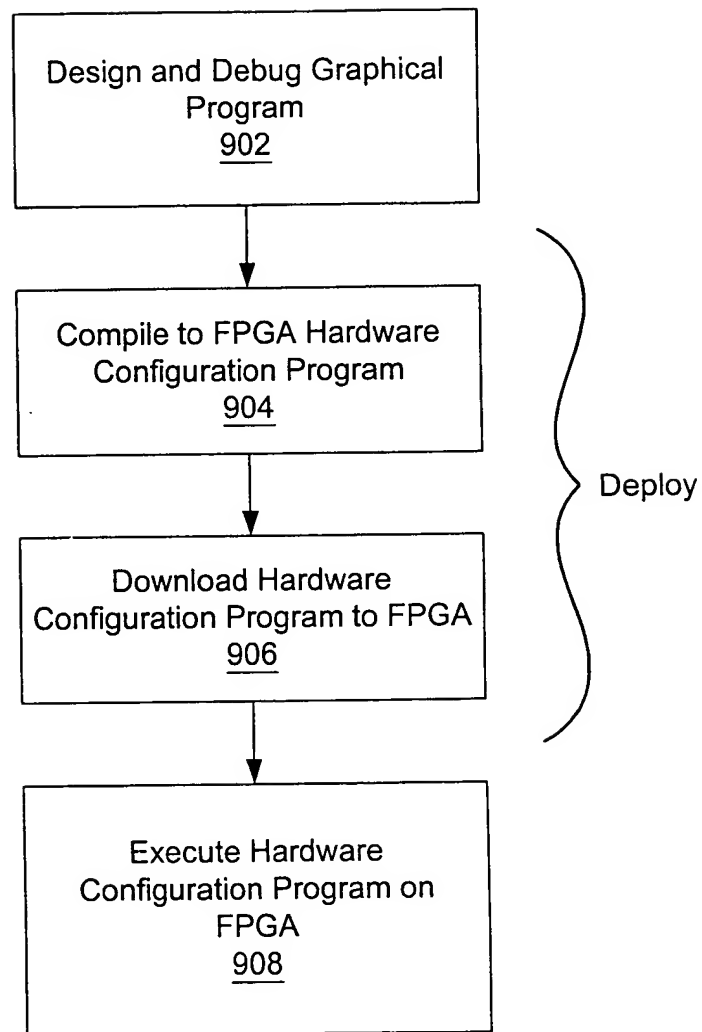


Figure 9

40055301 100001

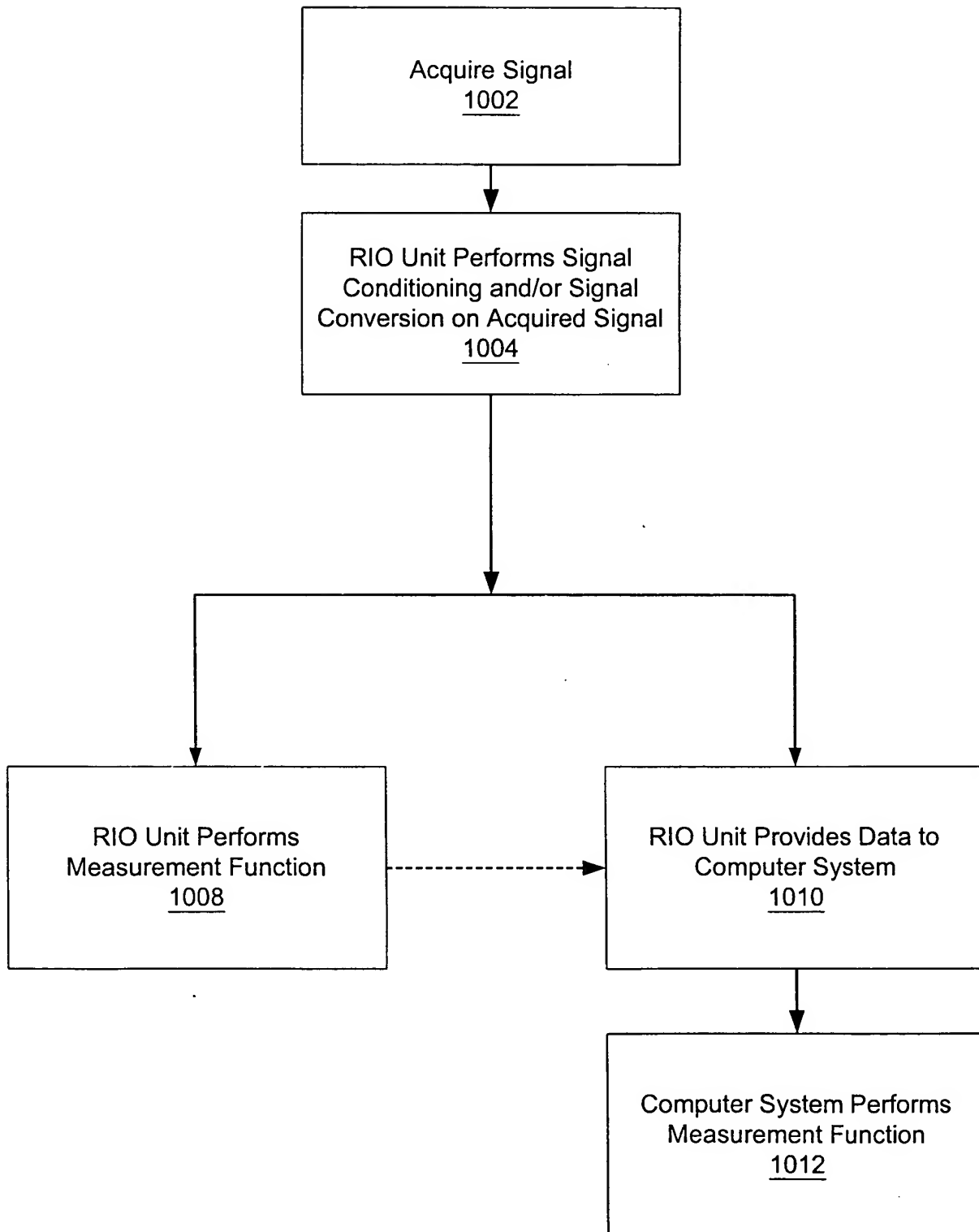


Figure 10

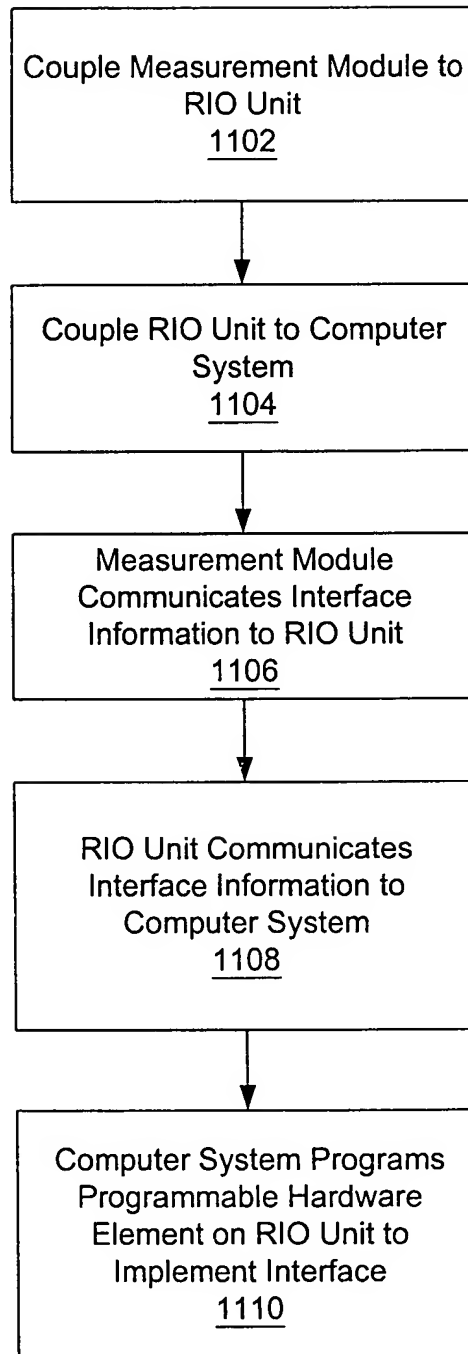


Figure 11A

405694 102901

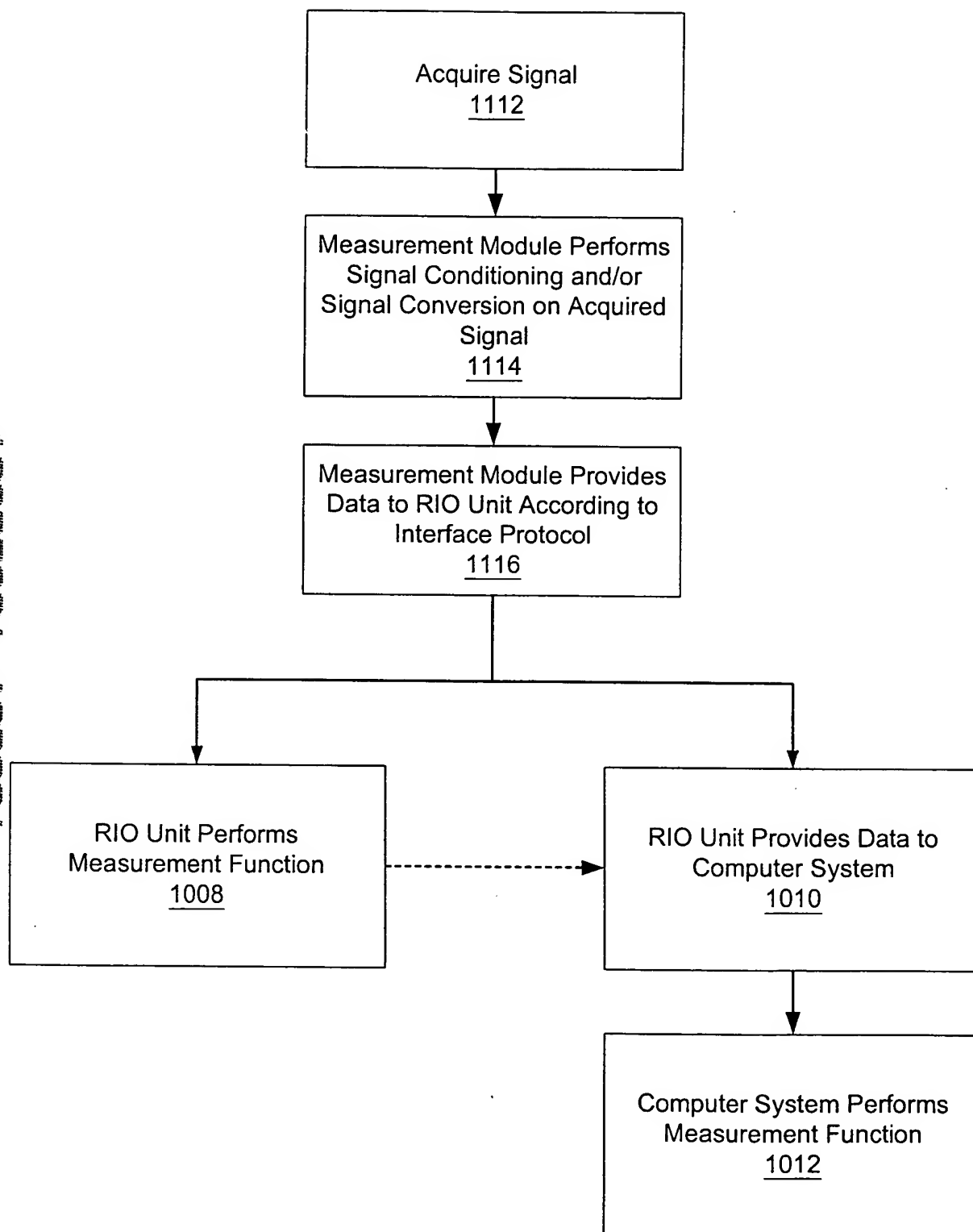


Figure 11B

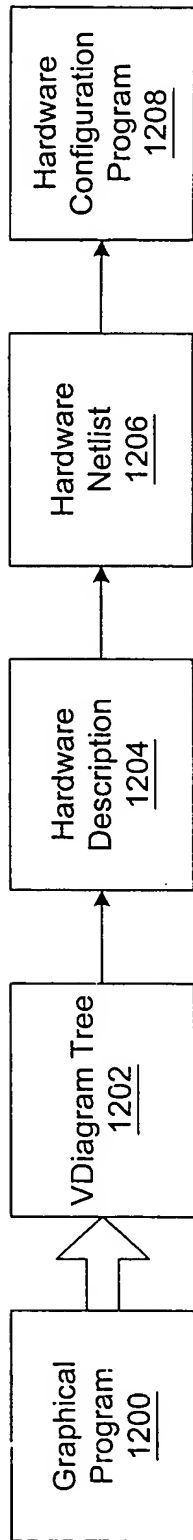


Figure 12

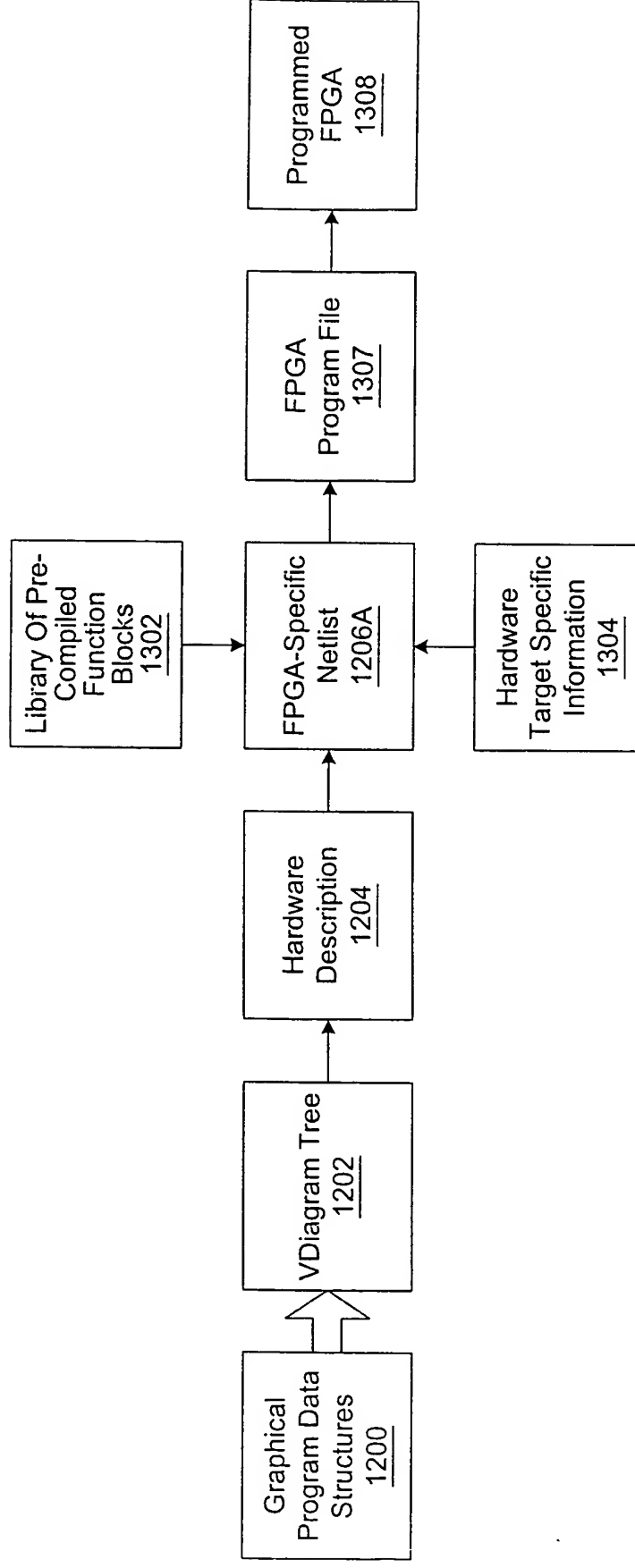


Figure 13

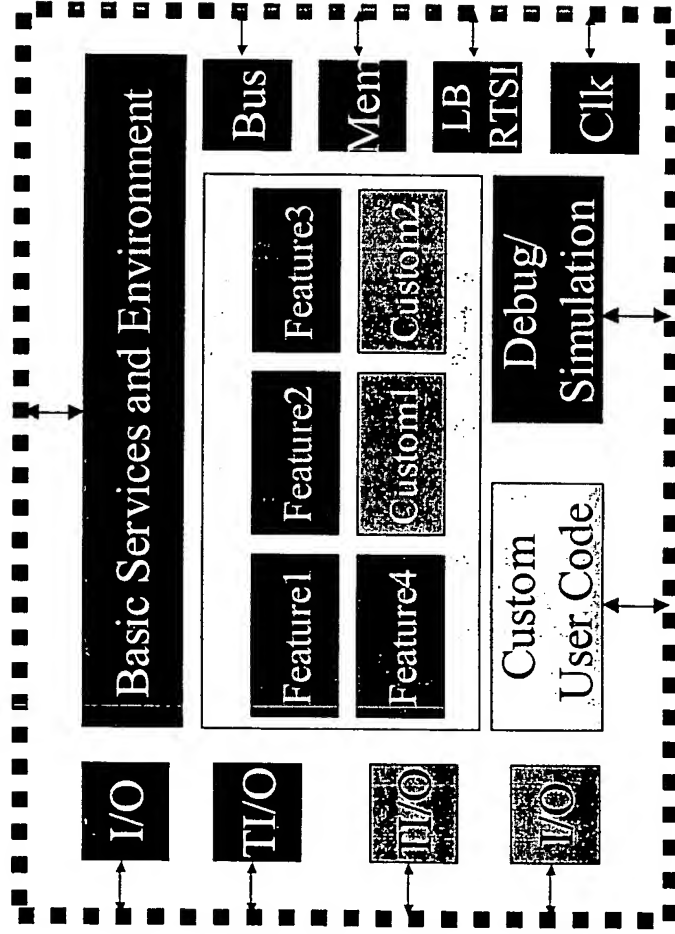


Figure 14

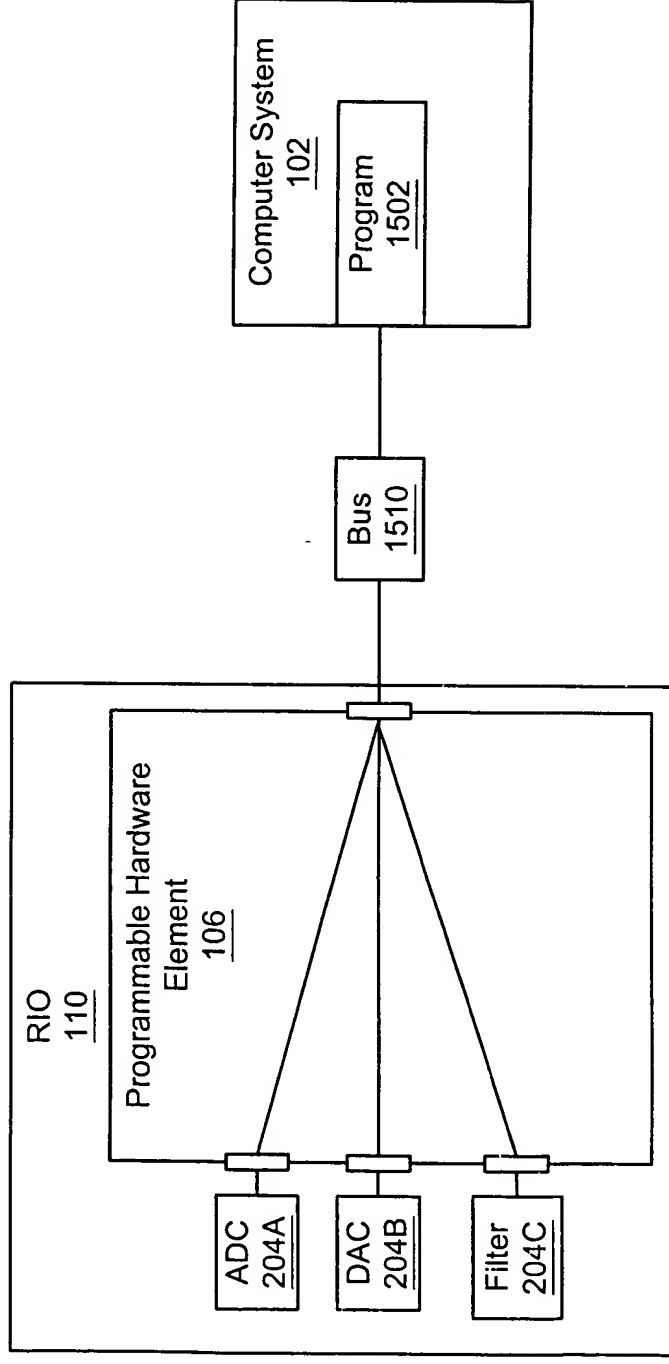


Figure 15

1005501 102004
106004 1095004

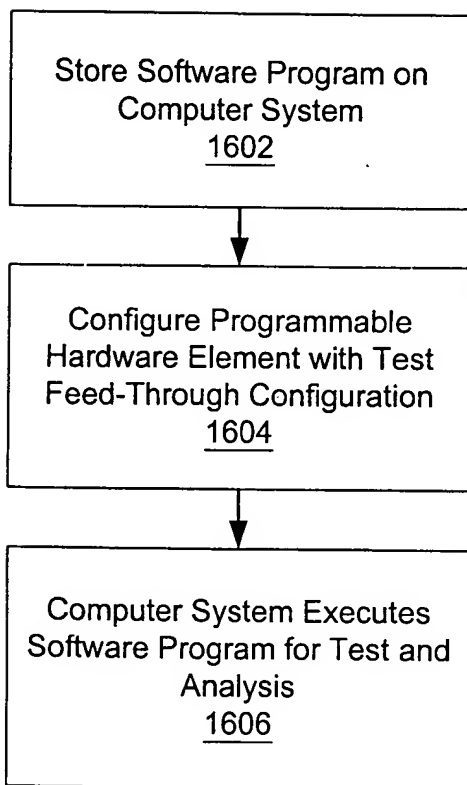


Figure 16

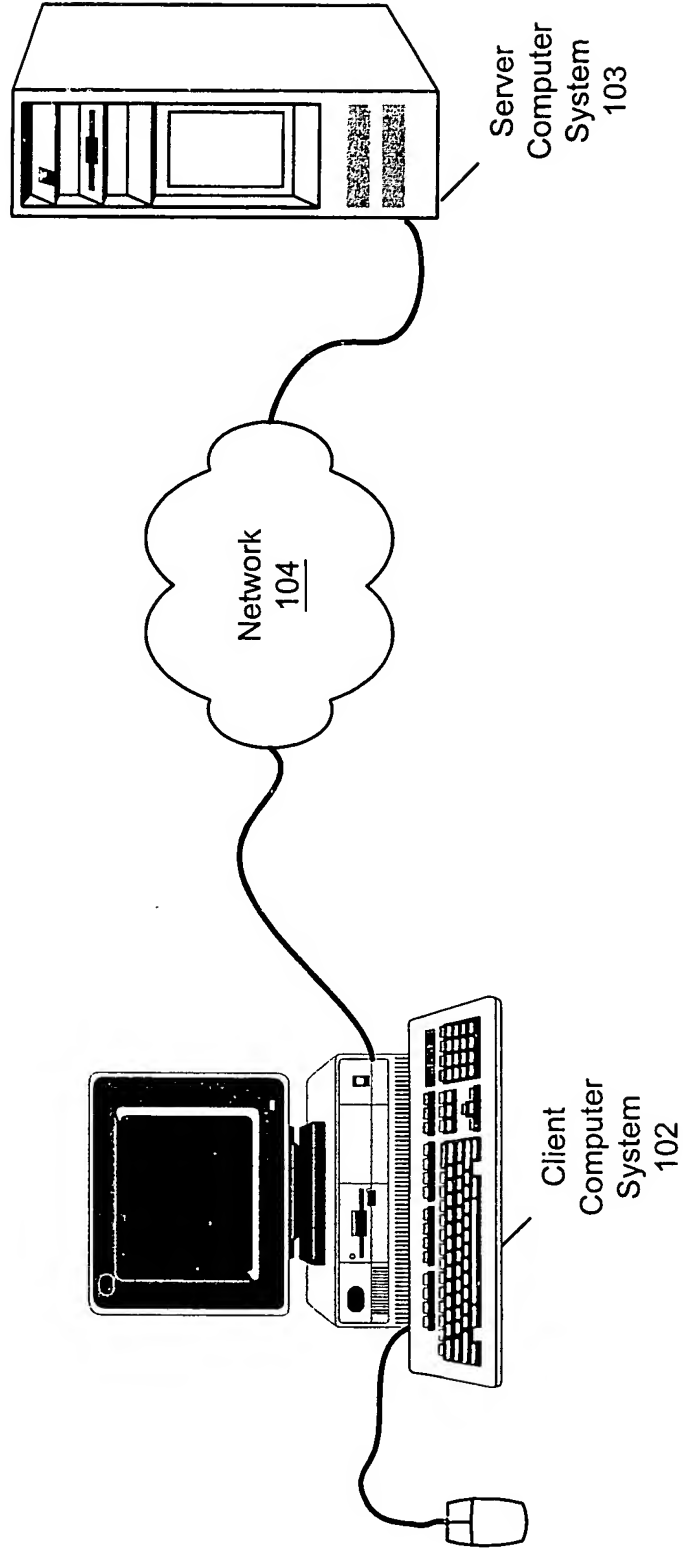


Figure 17

```

graph TD
    1802[Display Fixed Hardware Resources on Graphical User Interface  
1802] --> 1804[Receive User Input Specifying a Function  
1804]
    1804 --> 1806[Generate Hardware Configuration Program  
1806]
    1806 --> 1808[Deploy Hardware Configuration Program on Programmable Hardware Element Specifying Use of One or More Fixed Hardware Resources  
1808]

```

Figure 18

FO620T" F695500T

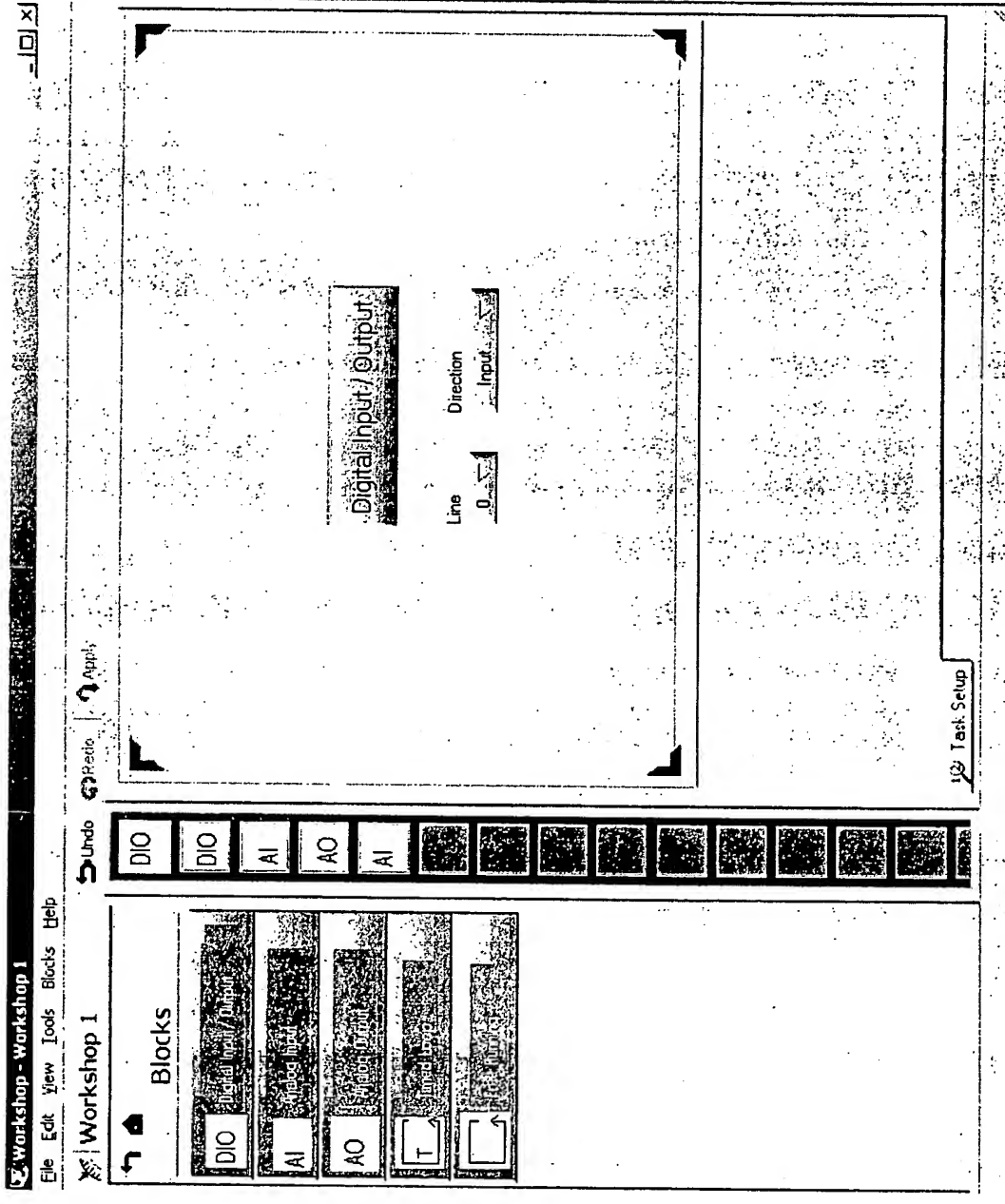


Figure 19A

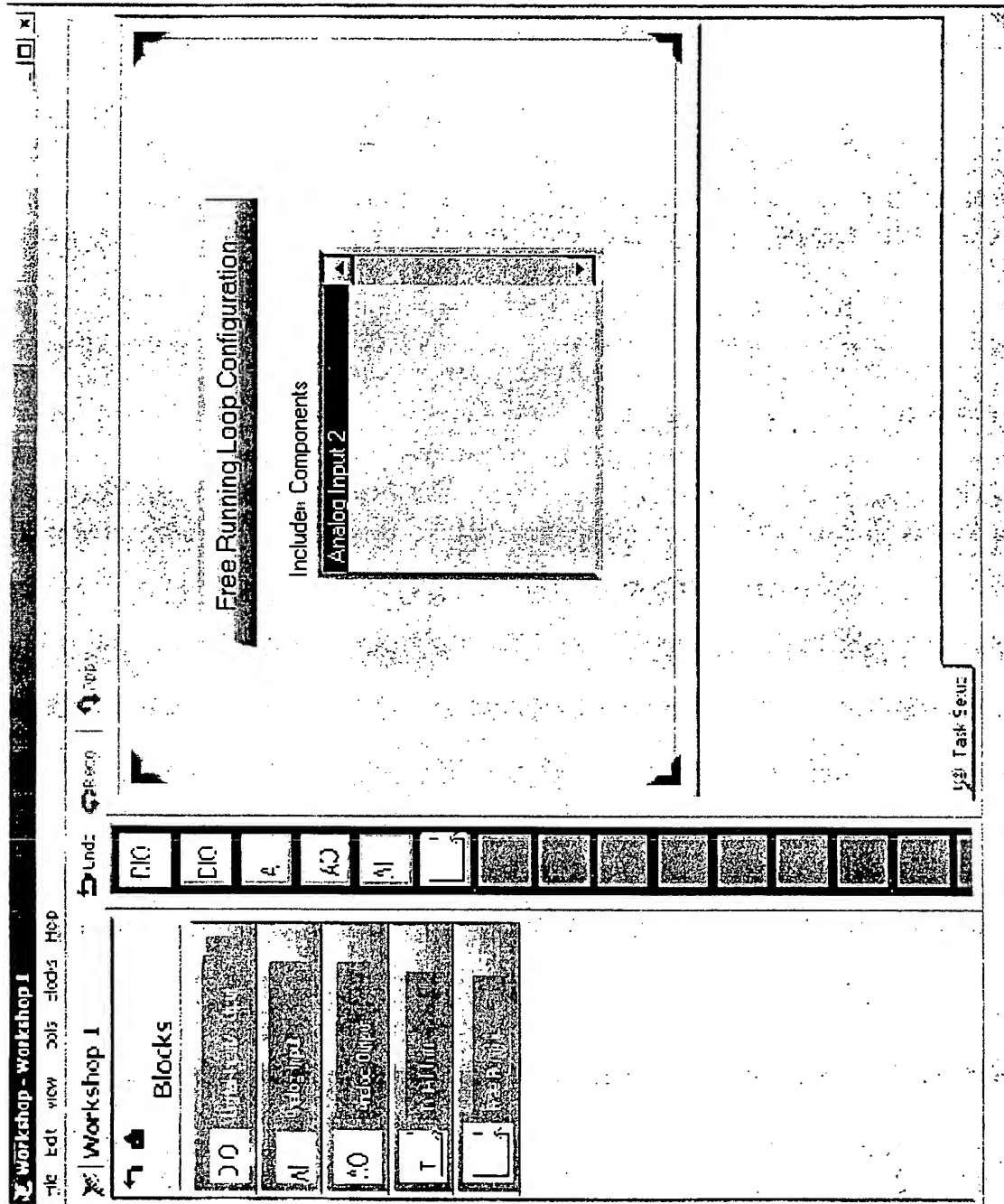
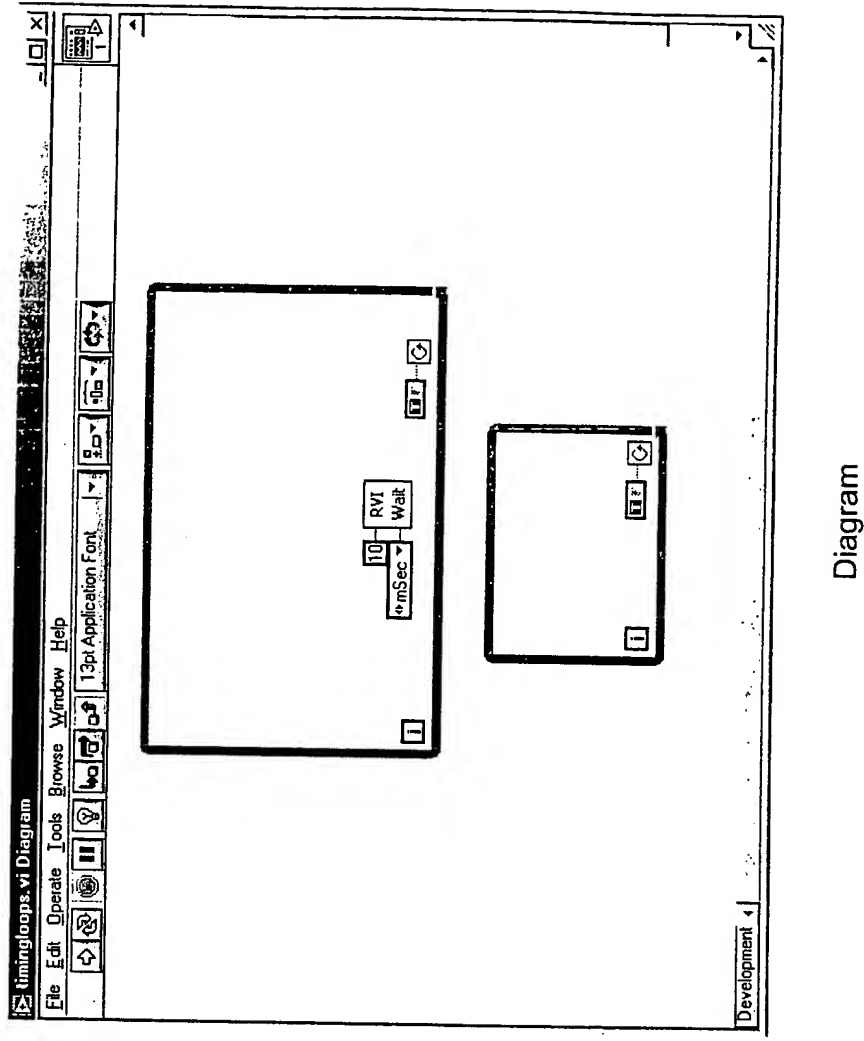
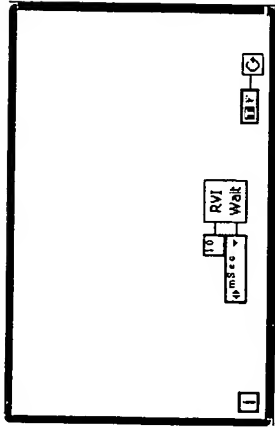


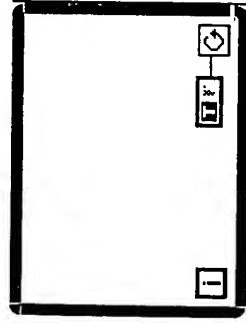
Figure 19B



Diagram



Timed Loop



Free Running Loop

Figure 19C

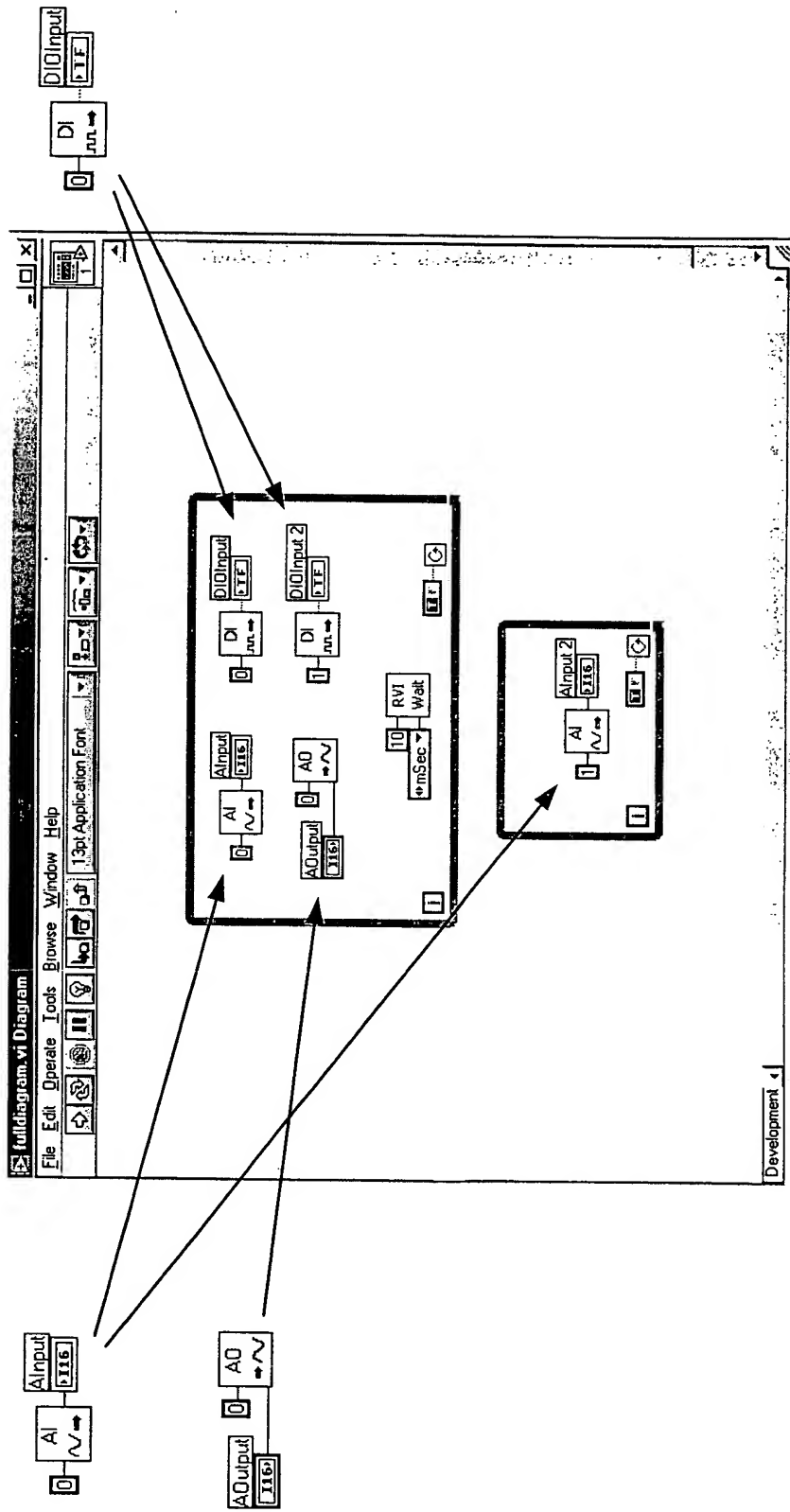


Figure 19D

[illegible]

Figure 19E

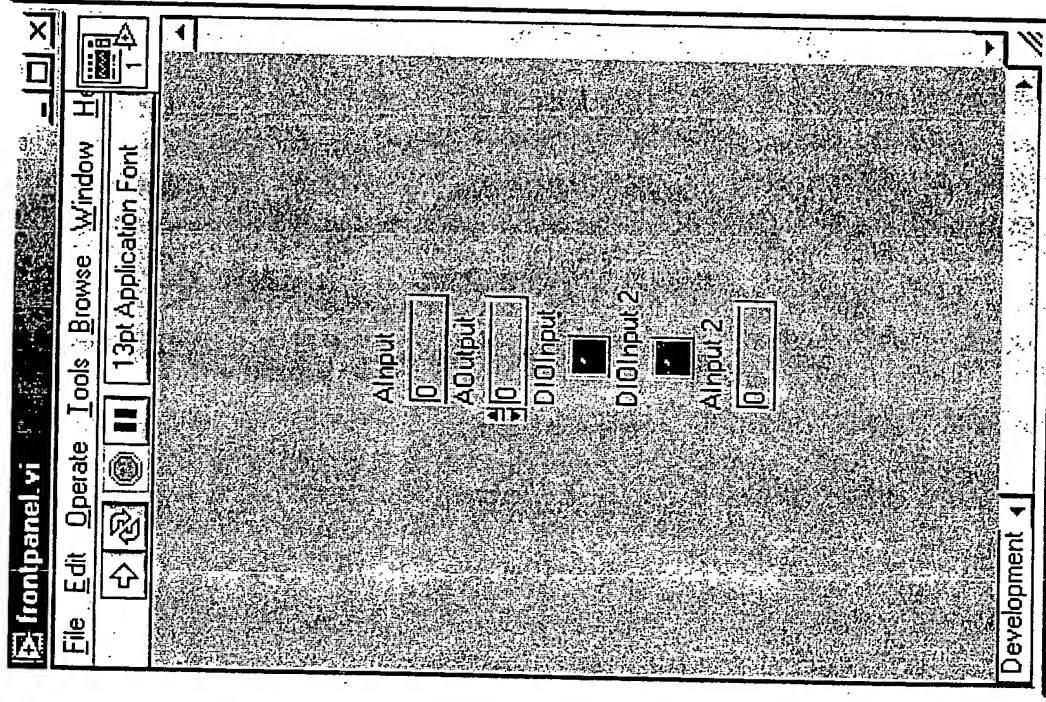


Figure 19F

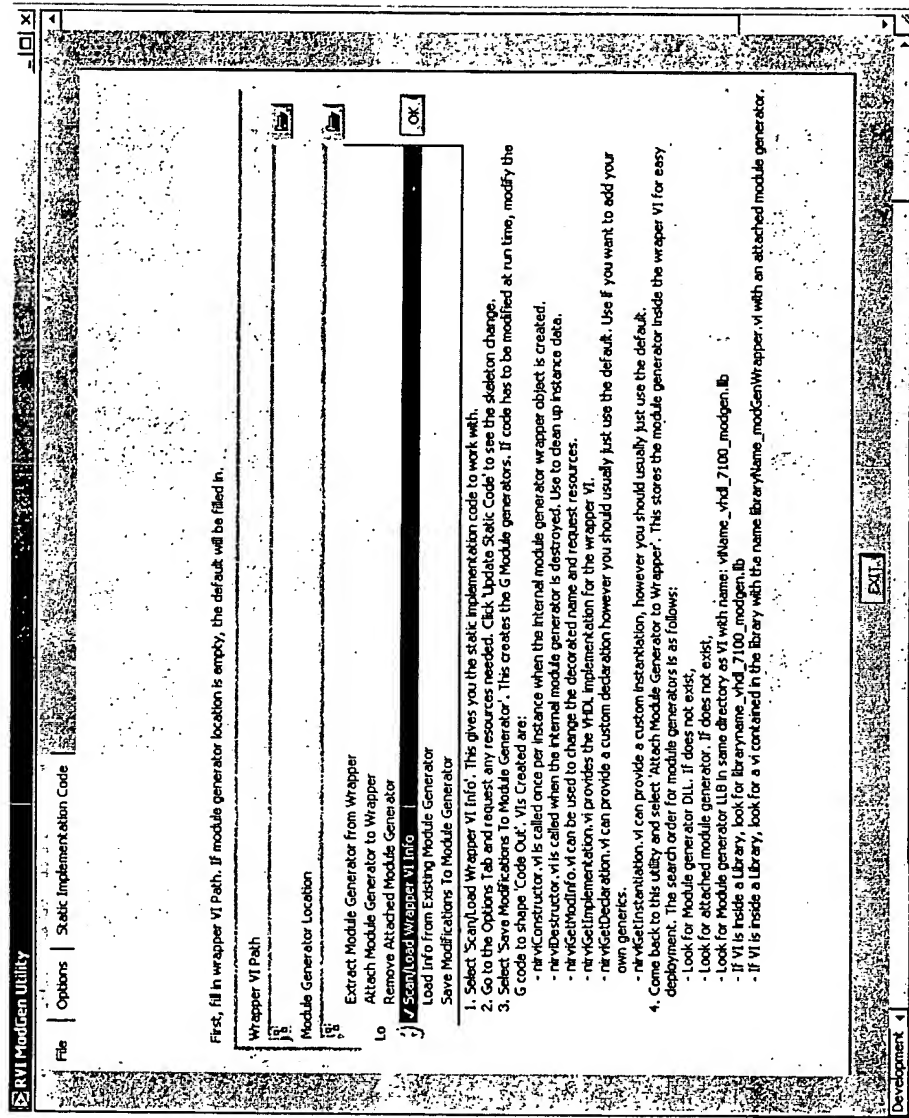


Figure 20

1005504 103004

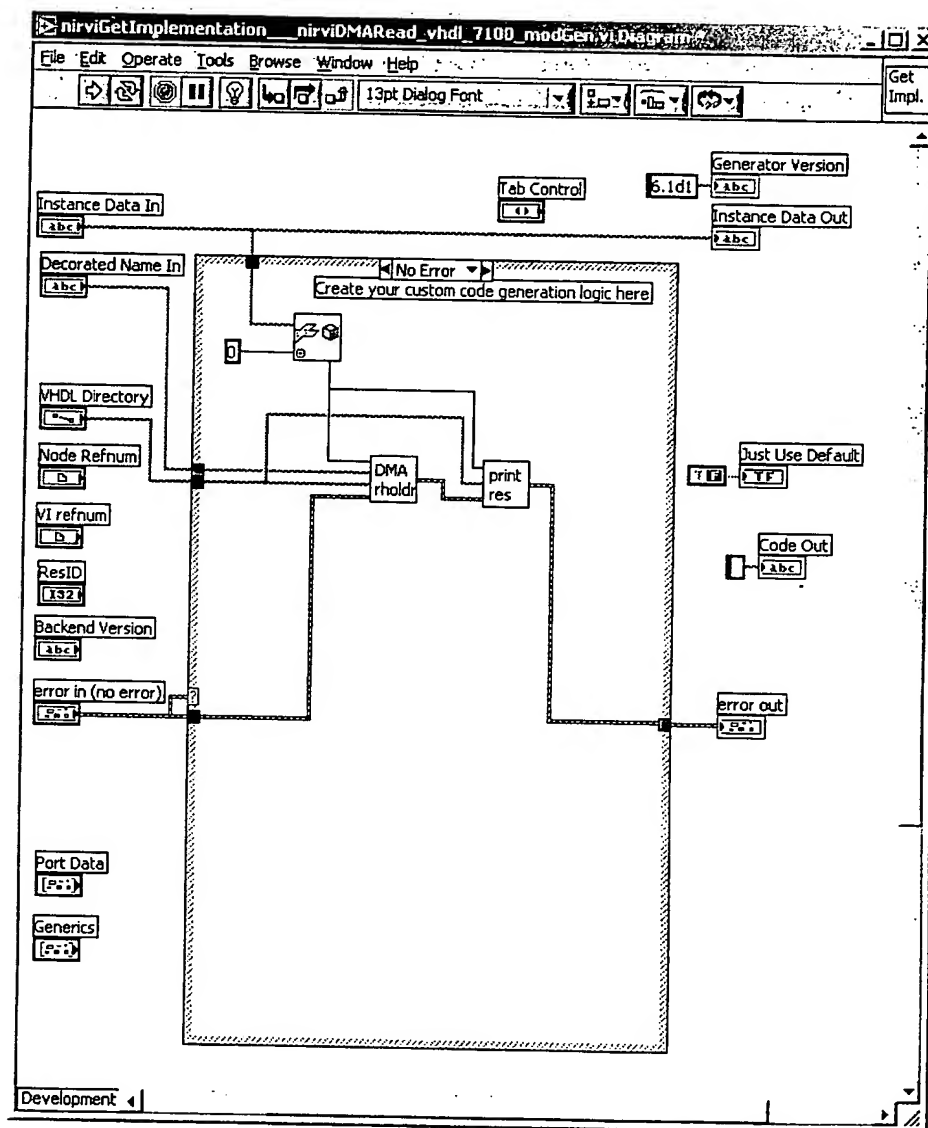


Figure 21

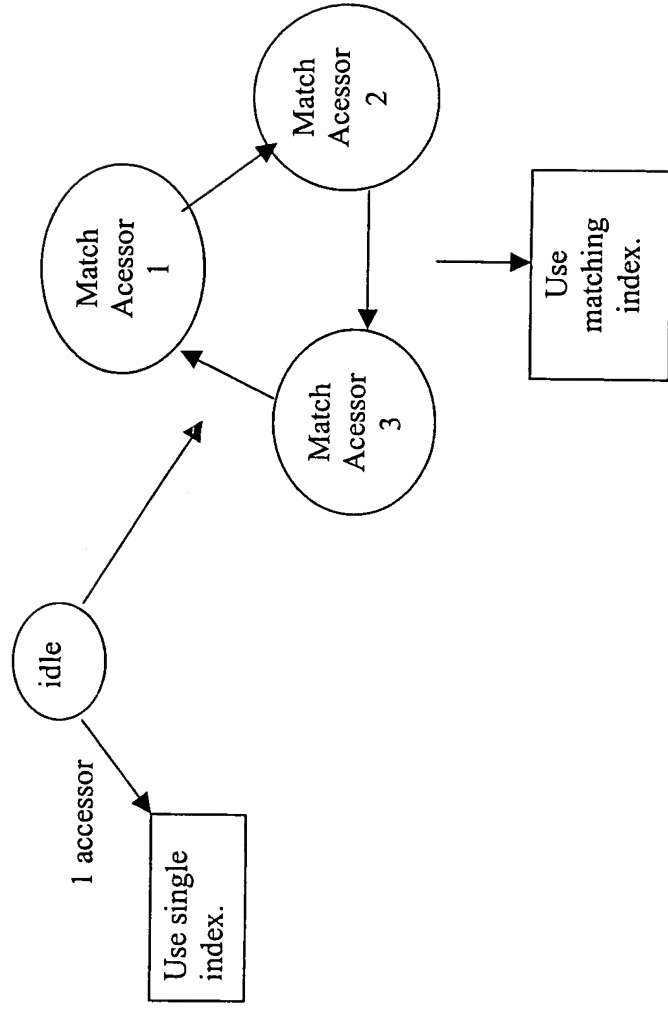


Figure 22

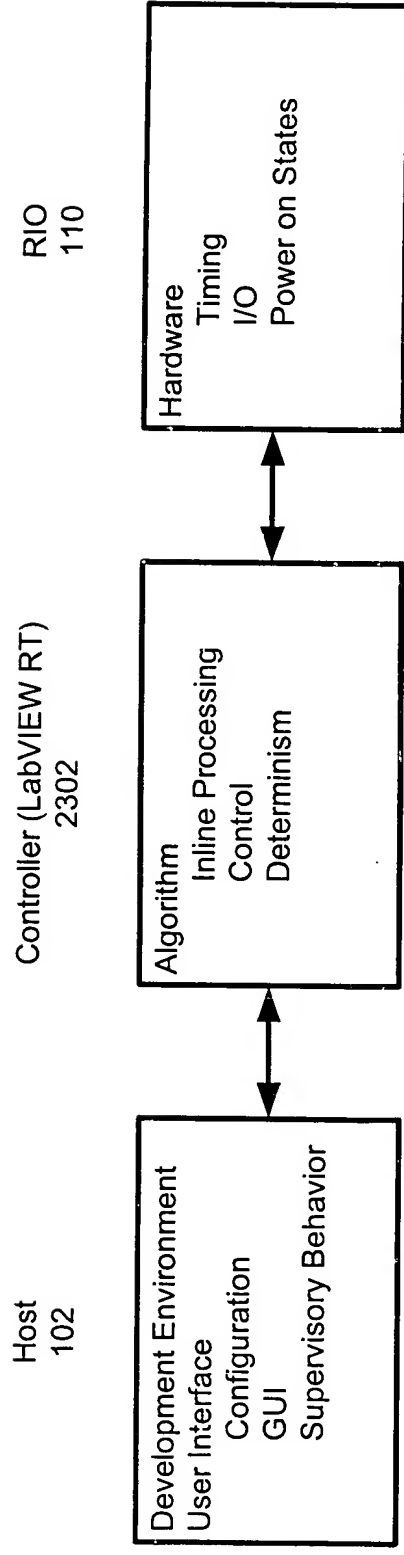


Figure 23A

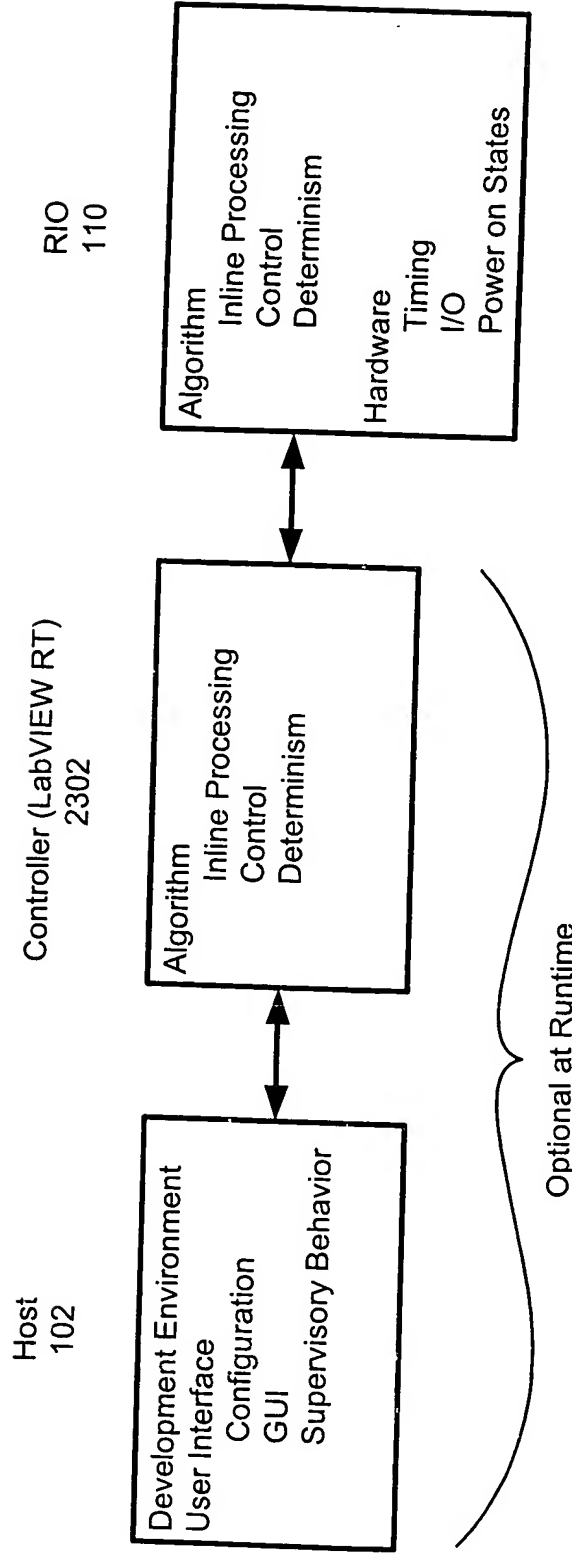


Figure 23B

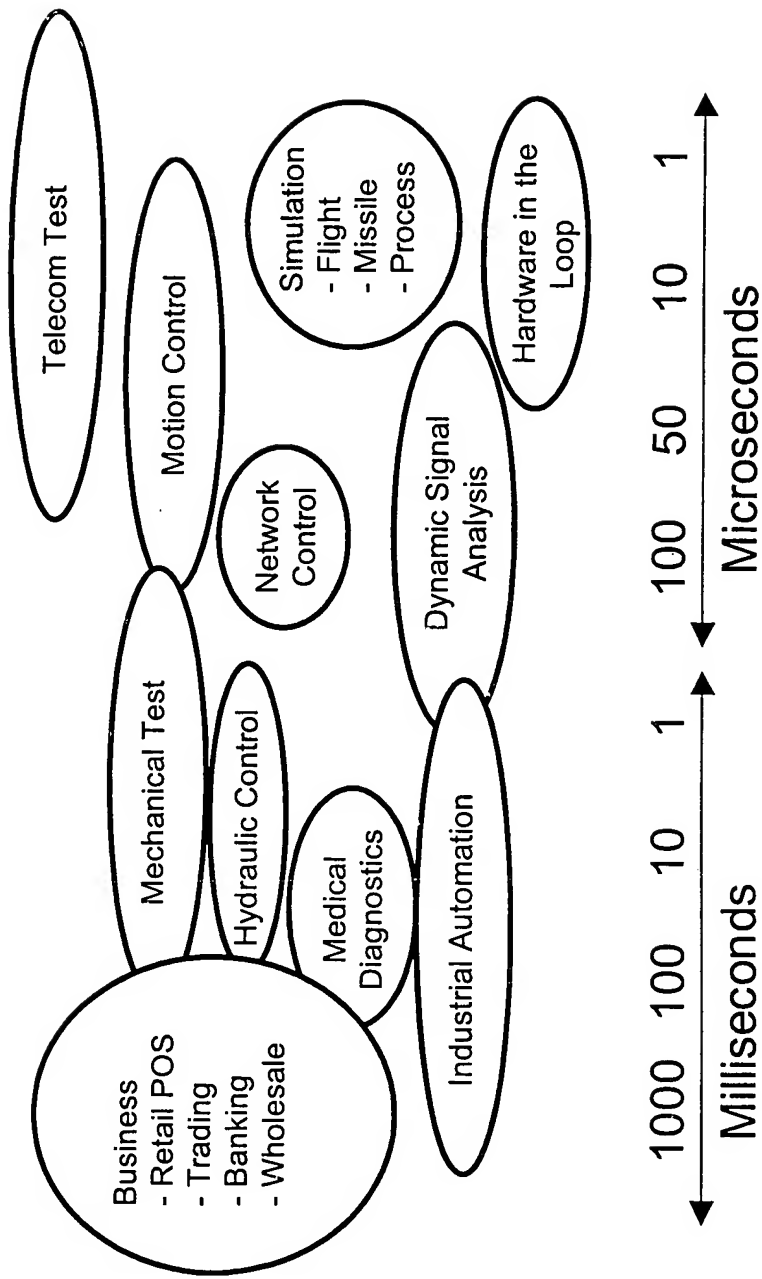


Figure 24